

# PETROLEUM RESEARCH

## CENTER

The mission of the Petroleum Research Center (PERC) at the University of Utah is to conduct research and development studies leading to practical, cost-effective solutions to liquid hydrocarbon production, handling and transportation. With funding from the U.S. Department of Energy and the petroleum industry, the PERC coordinates basic and applied research in: the physical properties and physical and chemical thermodynamics of naturally occurring hydrocarbons, development of pipeline transportation and flow assurance strategies, and simulation, optimization and control of oil and gas recovery methods.

## TECHNOLOGY

Petroleum Research Center (PERC) was funded to commercialize and market two specific areas of work; understanding problems related to production, transportation and processing of waxy and asphaltenic crude oils and subsequent alleviation of these problems and developing a variety of methods and software tools (models) for the efficient and optimal production of oil and gas from underground reservoirs. Over the last several years, oil companies and federal agencies have funded (and continue to fund) research in PERC, which is an integral part of the Department of Chemical and Fuels Engineering at the University of Utah.

## UNIVERSITY OF UTAH

*Can you imagine.....*

A variety of methods and software tools for the efficient and optimal production of oil and gas from underground reservoirs?



## ACCOMPLISHMENTS

Applicability of the discrete-fracture model demonstrated technology for wax measurement developed. First generation of thermodynamic and pipeline flow models complete.

### Contact Information

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